

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/GB2004/004181

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C02F11/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 802 964 A (MURALIDHARA HARAPANAHALLI S ET AL) 7 February 1989 (1989-02-07)	22
Y	figures	1-21
Y	US 5 891 342 A (TIJE A TEN) 6 April 1999 (1999-04-06)	1-21
A	claims	
	US 5 192 413 A (MATSUSHITA HIROSHI ET AL) 9 March 1993 (1993-03-09)	1-22
	figures	

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubt on priority claims) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

12 January 2005

Date of mailing of the international search report

24/01/2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentsaan 2
NL - 2280 HV Rijswijk
Tel. (+31 -70) 340-2040, Tx. 31 651 epo nl,
Fax (+31 -70) 340-3016

Authorized officer

Serra, R

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB2004/004181

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4802964	A	07-02-1989	US 5049248 A 17-09-1991
US 5891342	A	06-04-1999	AT 187097 T 15-12-1999
		AU 3528595 A 02-05-1996	
		BR 9509034 A 23-06-1998	
		CA 2199389 A1 18-04-1996	
		CN 1159768 A, B 17-09-1997	
		DE 69513675 D1 05-01-2000	
		DE 69513675 T2 15-06-2000	
		EP 0784501 A2 23-07-1997	
		FI 971426 A 04-04-1997	
		WO 9611051 A2 18-04-1996	
		GB 2294948 A, B 15-05-1996	
		JP 10506839 T 07-07-1998	
US 5192413	A	09-03-1993	JP 63255666 A 21-10-1988
			JP 63256113 A 24-10-1988
			DE 3785668 D1 03-06-1993
			DE 3785668 T2 19-08-1993
			EP 0286714 A1 19-10-1988